

c) Amendments to the Claims

Original claims 1-8, reproduced below, remain in the case. Please amend claims 1 and 2 as indicated.

1. (Currently Amended) A method of real-time testing for the presence of an analyte in an environment, ~~wherein is provided a sample~~, comprising the steps of:
 - (a) obtaining a colorimetric indicator that has been reversibly incorporated into a binding protein, said binding protein having an active site at which the analyte will bind if present, ~~and~~ said colorimetric indicator being reversibly bound at said active site to form a complex;
 - (b) exposing said ~~complex~~colorimetric indicator ~~and said binding protein~~ to said environment~~the sample~~;
 - (c) ~~determining whether said colorimetric indicator has been displaced from said binding protein~~ by measuring at least one spectral value of said colorimetric indicator ~~and said binding protein~~; and,
 - (d) determining from any spectral value so measured whether said colorimetric indicator has been displaced from said binding protein and, thus, whether or not said analyte is present within said environment~~sample~~.
2. (Currently Amended) A method according to Claim 1, wherein step (a) includes the step of immobilizing said ~~complex~~colorimetric indicator ~~and said binding protein~~ on a surface.

3. (Original) A method according to Claim 1, wherein said colorimetric indicator is a porphyrin.
4. (Original) A method according to Claim 1, wherein said binding protein is AChE.
5. (Original) A method according to Claim 2, wherein said surface is a microscope slide.
6. (Original) A method according to Claim 1, wherein two spectral values are measured.
7. (Original) A method according to Claim 6, wherein a first of said two spectral values is measured at about 402 nm and the other at about 442nm.
8. (Original) A method according to Claim 1, wherein step (d) includes the steps
 - (d1) obtaining at least one pre-exposure spectral measurement of said colorimetric indicator and said binding protein before exposure to the sample,
 - (d2) calculating at least one numerical difference between said at least one measured spectral values and said at least one pre-exposure spectral measurements.